REMARKS

In the Action dated August 8, 2002, the Examiner withdraws the previous objection to the drawings and Specifications in view of the corrections previously submitted by the Applicant. The Examiner's withdrawal of such objections is gratefully acknowledged.

Next, the Examiner has rejected Claims 1-4 and 9-12 under 35 U.S.C. §102(e) as being anticipated by *Boneh, et al.*, U.S. Patent No. 6,134,660. That rejection is respectfully traversed.

As noted in Applicant's previous Response, Applicant urges the Examiner to consider that *Boneh, et al.*, teaches the utilization of encryption keys which are stored within non-secure memory but that the encryption keys of *Boneh, et al.*, relate to a symmetrical system and not an asymmetrical system as set forth within the present invention. In response to these arguments the Examiner cites *Boneh, et al.*, teaching of master key storage generating a public/private key pair at Column 7, lines 45-53. Applicant agrees with the Examiner that *Boneh, et al.*, indeed teaches the generation of a public/private key pair at Column 7, lines 45-53 but notes further that *Boneh, et al.*, teaches the utilization of the public key thus created to store the encryption keys in key file 204. Key file 204 is expressly described by *Boneh, et al.*, as storing encryption keys which are utilized to both encrypt and decrypt the information described.

For example, at Column 3, line 8, *et seq.*, *Boneh, et al.*, describes the preferred method as "using an encryption key" wherein electronic information is encrypted utilizing that key. Thereafter, *Boneh, et al.*, describe that the key "used to encrypt the file is 'lost', e.g., erased or deleted 'Losing' the encryption key renders the backed up encrypted electronic information inaccessible." Thus, it is clear that the keys stored within key file 204 of *Boneh, et al.*, are symmetrical keys which are utilized to both encrypt and decrypt data.

In contrast, Claim 1 as currently presented within the Application expressly recites the establishment of a user key pair which includes both a user private key and a user public key and

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thereafter expressly recites that the user private keys are encrypted utilizing a master public key. Thus, the mere provision by *Boneh, et al.*, of a master public and private key which may be utilized to store keys does not anticipate the invention set forth within Claims 1-4 and 9-12 as those claims expressly recite the requirement for both a master key pair including a master private key and a master public key and a user key pair including a user private key and a user public key. It is well settled that a reference which is urged as anticipatory for a claimed invention cannot be said to anticipate that invention if each element of the claimed invention is not present within that specification and as the keys stored within key file 204 of *Boneh, et al.*, are clearly and expressly described as "symmetrical keys", that is, a key which may be utilized to both encrypt and decrypt a file, *Boneh, et al.*, cannot be said to anticipate Claims 1-4 and 9-12.
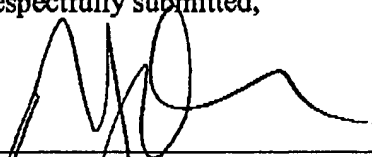
The Examiner has also rejected Claims 5-16 under 35 U.S.C. §103(e) as being unpatentable over *Boneh, et al.*, in view of *McBride*, U.S. Patent No. 6,292,899. That rejection is also respectfully traversed.

McBride is cited by the Examiner for a teaching of associating a user key pair with an Application; however, nothing within *McBride* shows or suggests a novel encryption technique for encrypting a private key portion of an asymmetrical key system as expressly set forth within the claims of the present Application and Applicant urges the Examiner's rejection of Claims 5-16 over this combination of references is not well founded and it should be withdrawn.

In summary, Applicant urges the Examiner to consider that although *Boneh, et al.*, teaches the use of an asymmetrical master public and private key pair, there is no showing or suggestion therein for a user private and public key pair as set forth expressly within the claims of the present Application and withdrawal of all rejections and passage of this Application to issue is therefore respectfully requested.

No fee is believed to be required; however, in the event any additional fees are required, please charge IBM Corporation Deposit Account No. 50-0563. No extension of time is believed to be required; however, in the event any extension is required, please consider that extension requested and please charge any associated fee and any additional required fees to IBM Corporation Deposit Account No. **50-0563**.

Respectfully submitted,

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